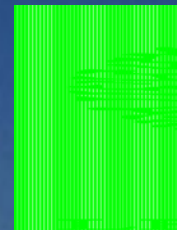


FACULTY OF FORESTRY AND WOOD SCIENCES CZECH UNIVERSITY OF LIFE SCIENCES IN PRAGUE



Education in Forest Sciences



Jiří Remeš, CULS Prague



www.fld.czu.cz

History of forestry education on university level in Prague:

- First Encyclopaedic lectures included in curricula at the Chair of Agriculture at the Prague University in 1789
- Regular forestry lectures started at the Polytechnic University in 1848
- The Independent Branch of Master's Studies in Forestry established at the Polytechnic University in 1919 – **the 1st in the Czechoslovak Republic**
- Faculty of Forestry transformed into the Scientific Forest Institute, later to the Institute of Applied Ecology and Ecotechnology in Kostelec nad Černými lesy in 1964
- Faculty of Forestry was fully restored in 1990
- Present situation: 9 departments, total number of students about **1,800**, total number of permanent staff about **90**



Structure of Faculty of Forestry and Wood Sciences

The Dean

4 Vice-deans for:

- **Pedagogical matters**
- **Research and scientific matters including doctoral study programmes**
- **International relations and activities**
- **Development**

9 Departments

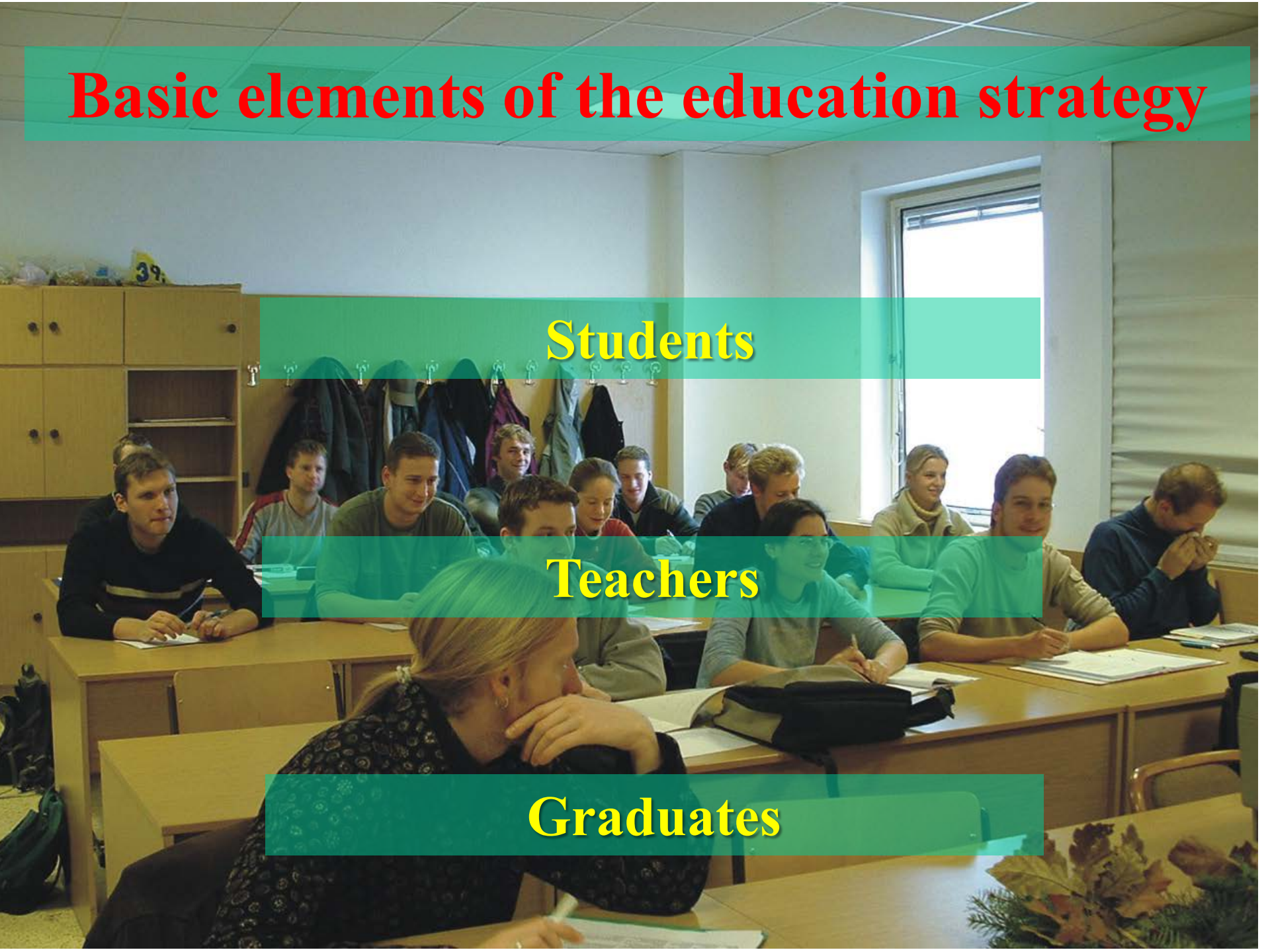
- **The Department of Silviculture**
- **The Department of Dendrology and Forest Tree Breeding**
- **The Department of Forest Management**
- **The Department of Forest Protection and Entomology**
- **The Department of Forest Harvesting**
- **The Department of Forestry Economics and Management**
- **The Department of Game Management and Wildlife Biology**
- **The Department of Wood processing**
- **The Department of Wood Products and Wood Constructions**
- +
- **Tree Breeding Station and Arboretum**

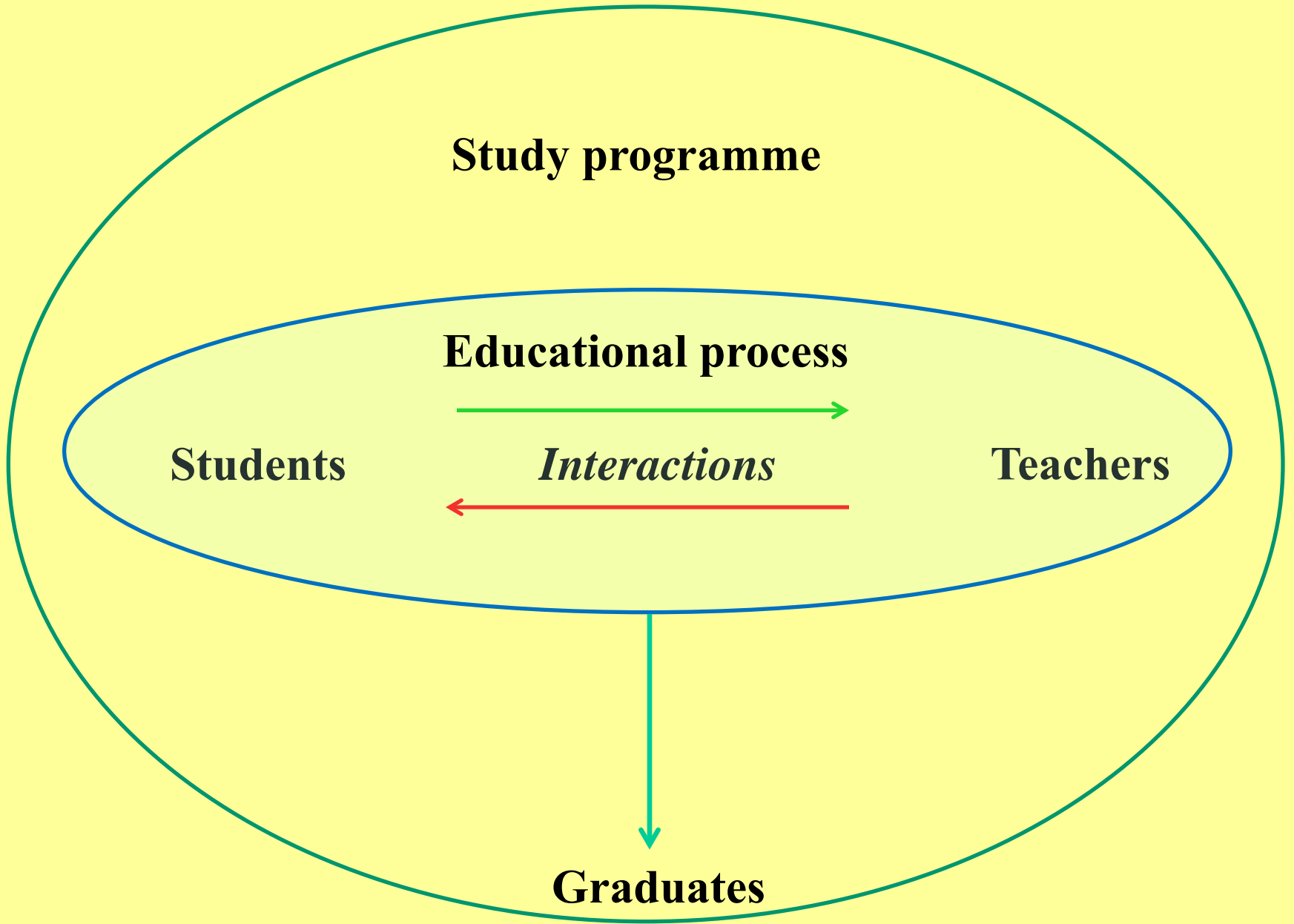
Basic elements of the education strategy

Students

Teachers

Graduates





Students

Main problems

- Relatively low quality of students who starts their study at the faculty
- High drop-out rates including state final examinations

Long-term vision

- To study the FLD are recruited talented and motivated students who have the prerequisites for study at university. Failure rate study is therefore significantly lower than at present.



Teachers

Main problems

- The importance of teaching in recent years, seemingly reduced, especially with regard to the increased demands for scientific research activities
- The quality of teaching is not in many cases to a satisfactory level and not corresponds to higher education



Long-term vision

- High quality teachers, as well as top experts able to scientifically develop and guarantee individual disciplines are working on the FFWS.

Graduates

Main problems

- Graduates are still able to find job relatively easy, but there's no overview of what companies and positions to apply.
- We don't know if they obtained education fully provided the necessary knowledge, competences and skills for their application in practice.
- Dialog between employers and faculty and between graduates and faculty is not sufficient.

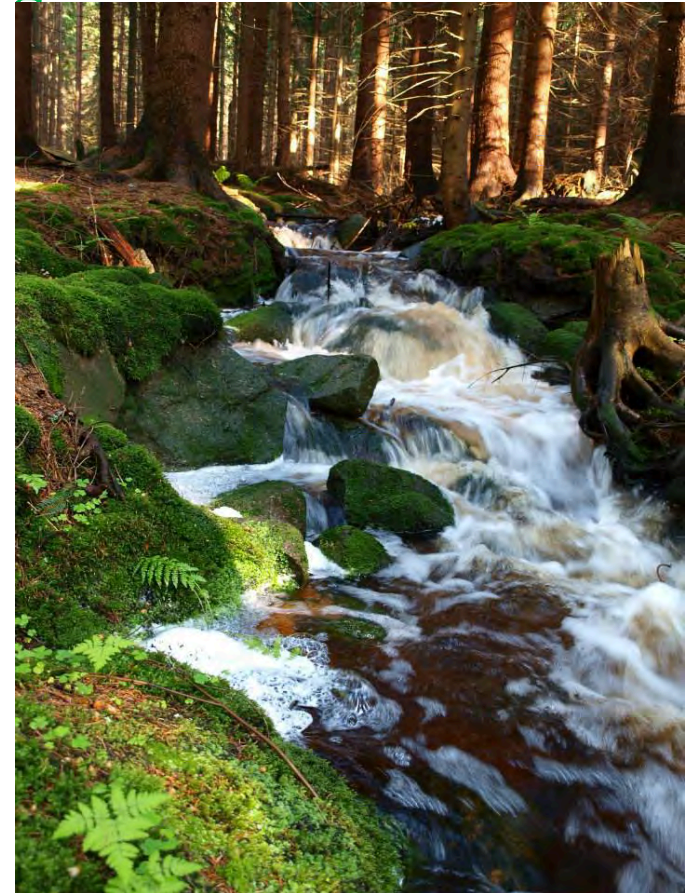
Long-term vision

- Graduates of the FFWS are highly educated and competitive experts which easily find good jobs. Connection, communication and cooperation between graduates and the faculty is on high level.
- Unemployment rate of our graduates is low.



Attractive study at the FFWS – prerequisite for achieving the objectives

- Promotion of the faculty and their fields of study (p.r.)
- Optimal and balanced structure of study programs and fields of study
- Favorable conditions and environment for study (optimal condition for learning)
 - High quality teachers and teaching incl. evaluation
 - Education also outside regular teaching (workshop, cooperation with other faculties and Universities)
 - Interationalization (summer school, international courses, seminars etc.)
 - Attractive condition for study
 - Motivation programmes
 - Supporting of free time activities of students (competition, cultural, art and sport activities and events).



Promotion of Forestry for example through Forest Pedagogy, YPEF, public relations etc.

Targeting the smallest...



Actual structure of the study programmes in FFWS

Type	Programme	Study Specialisation	Duration
Master	Forest Engineering	Forest Engineering	2
Master		Forest Engineering (in English)	2
Master		Forestry, Water and Landscape Management (in English)	2
Master		Tropical Forestry and Agroforestry (in English)	2
Master	Wood Engineering	Wood engineering	2
Bachelor	Forestry	Forestry - general	3
Bachelor		Economics and Administration Services in Forestry	3
Bachelor		Hunting and Wildlife Management	3
Bachelor		Forestry (in English)	3
Bachelor		Game management (in English)	3
Bachelor	Wood Technology	Wood Technology	3
		Business in the wood processing and furniture industry	3

Internationalization of the study
Summer schools, Internationals courses,
DD programmes



Irkutsk 2013





Students cooperate in Tasmania

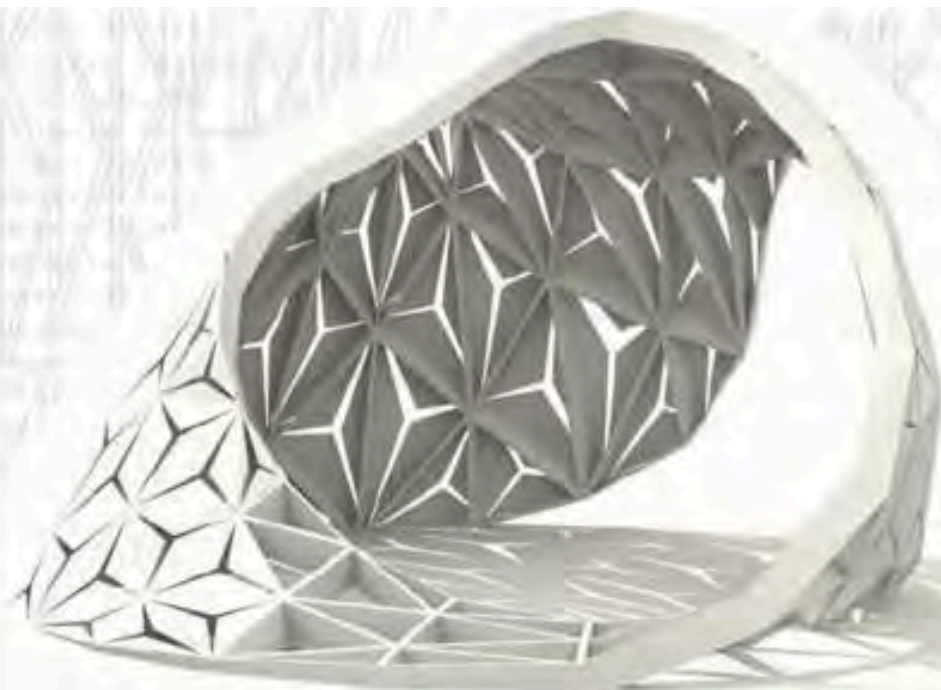


International course in forestry modelling

Example (Gompertz)



Workshops and cooperation with other universities in Prague



Pavilón je vystaven v rámci:

reSITE FESTIVAL
21. - 23.6. 2013

Karlovo náměstí, Praha 2

21.6. 20:00 Otevření pavilónu

22.6. 19:00 Přednáška:

O vzniku pavilónu

MÖBIUS - PARESITE: The Environmental Summer Pavilion

PROJEKT MEZIOBOROVÉ SPOLUPRÁCE STUDENTŮ
FAKULTY LESNICKÉ A DŘEVAŘSKÉ / ČZU
ARCHITECTURAL INSTITUTE IN PRAGUE

Environmentální pavilón Möbius-PareSite je trojúhelníkové struktura ve tvaru Möbiovy pásy z točnicích prvků s půl centimetru tenkými pláty, které tvoří stín a odpařují vodu ze suchého povrchu. Tangenciálně řešené pláty reagují na relativní vlhkost svým bočovním. Díky umožňují cirkulaci vzduchu v parních dnoch.



Děkujeme za přímoc a podporu:

Organizace a lektori: Marie Dvořáková, COLL COLL, Martin Šichman/Daimonien, Martin Gajdošik, reSITE: Milica Hrdinová, Osvata Ořamová, Martin Barry, ILD: Marek Turčáni, Jiří Šimek, Martin Bohm, Martin Veselý, Jan Romák, Pawel Nowak, Anželika Regina Lukášová, Dana Čížková, Jiří Šimek, Petr Fiedel, COLL COLL: Kristof Kramlík, Matěj Galorik, Študenti: Yulya Pozynich, Jason Nem, Alena Regina, Dana Chertkova, Yana Vaselinko, Mikkel Wernstedt, Dan Merik, Daniela Kleinová, Le Marie, David Lukáš, Christoph Hansen, William Glass, Jiří Šimek, Milan Indrha, Josef Svoboda, Tomáš Pavlík, Miroslav Ruzička, Luboslav Robák, Radim Vykřta, Martin Žemůček, Hefeli Dimopoulos, Jaroslava Madarčík, Anna Šporká, Ivana Kubíčková, Galvina Ševčíková, Karel Ptáček, Jan Matka, Tomáš Mižon, Lukáš Hrdina, Jan Hyš, Marian Loubal

reSITE

COLL
COLL

oximoron

Fakulta lesnická
a dřevařská

ARCHIP

SKANSKA

LESVĚH

ČESKÝ
STAVBY



Photo Competition for students and teachers

FOTOSOUTĚŽ
STUDENTŮ A ZAMĚSTNANCŮ FLD
LETNÍ











The shooting competition for the Cup of Dean FFWS



Motivation tools for talented and highly motivated students

- ❖ **scholarship for excellent candidates (based on study results in secondary schools)**
- ❖ **scholarship for students with very good study results**
- ❖ **special scholarship for excellent foreign students**
- ❖ **scholarship program for young scientists (students)**

Attractive condition for study also outside from university campus in Prague



Field headquarters in Kostelec nad Černými lesy includes:

- ❖ Departments
- ❖ Tree breeding station, Arboretum
- ❖ University Forest Enterprise

Truba research station and Arboretum in Kostelec n. Č. l.



Established 1954

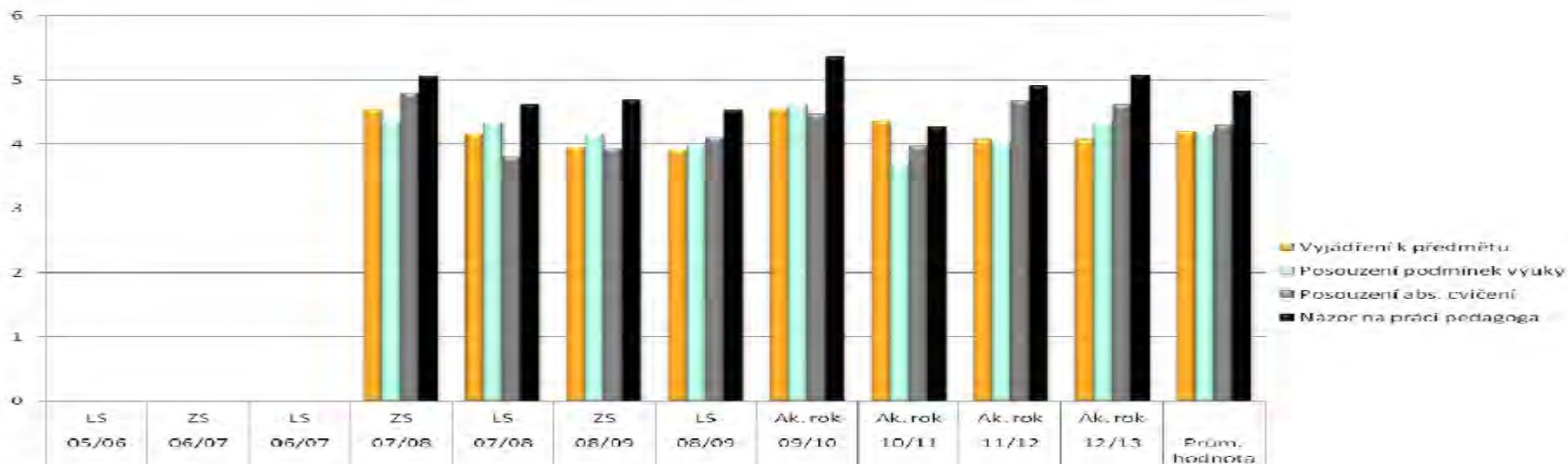
- **Founded and managed in a natural park style**
- **Planting based on ecologic and aesthetic points of view**
- **Wooden plants – trees, shrubs, half-shrubs and wooden climbers, originated in five continents**
- **The original surface 4 ha, at present 12,38 ha.**



Evaluation of the education activities – by teachers and students

Položka	ZS	LS	ZS	LS	ZS	LS	Ak. rok	Ak. rok	Ak. rok	Ak. rok	Prům. hodnota
	06/07	06/07	07/08	07/08	08/09	08/09	09/10	10/11	11/12	12/13	
1. Studenty v úvodních hodinách předmětu seznamuji s obsahem, cíli a studijními povinnostmi	N	N	5,60	6,00	5,67	4,67 ₁	5,29	5,22	5,25	5,29	5,37
2. Struktura přednášky (nebo cvičení) odpovídá pedagogickým zásadám	N	N	5,20	5,75	5,25	4,40 ₂	5,00 ₁	4,78 ₁	4,88 ₁	5,00	5,03
3. Svůj výklad považuji za zajímavý a motivující	N	N	5,25	4,00	4,67	4,00 ₁	5,43 ₂	4,78	4,75	4,83 ₁	4,71
4. Ovládám principy vysokoškolské pedagogiky včetně zjišťování výsledků ve vzdělávání	N	N	4,75	3,75	4,40	3,50 ₁	4,57	4,67 ₁	4,63 ₁	4,14	4,30
5. Moje výuka je srozumitelná	N	N	5,50	5,75	4,50	4,43	4,57 ₂	4,89	4,75	4,71	4,89

Průměrné hodnoty posouzení cvičení studenty – FLD



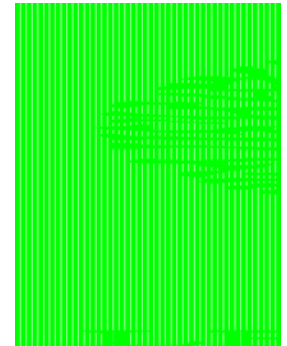
Board for cooperation with the practice

- ✓ Optimization structure of study programmes
- ✓ Feedback, strengths and weaknesses of graduates
- ✓ Positive impact on employment of graduates



Thank you for your attention
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